BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work : Construction of Cement concrete to Basaveshwara Layout Cross roads in Ward No.18

DETAILED ESTIMATE

Ward No.18

Est Cost: Rs. 20.00 Lakhs

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
1	Dismantling of existing strutores like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metrs complete as per specifications. i) Lime / Cement Concrete. 1. By Manual Means : A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No.202 Page No.147. 1 No.18.17								
		Cum	3	60.00	5.00	0.35	315.00	316.44	99678.60
	Basic Rate	293.00							
	Area Weightage 8%	23.44							
	Total	**316.44**							
2	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3-wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requiesite type of screening/binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per Specification. A by Mannual means MORTH Specification No.404 (Type B 11.2mm for grading III) P.165-L.20.14 (14.3)								
		Cum	3	60.00	5.00	0.20	180.00	1867.32	336117.60
	Basic Rate	1729.00							
	Area Weightage 8%	138.32							
	Total	**1867.32**							
3	Cement Concrete Pavement - Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with OPC cement design mix M30 at 360 Kg per cum, with 25mm and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregates @ 0.46 cum with superplastizezer at 3lts conforming to IS 9103-1999 reaffirmed 2008, coarse and fine aggregate conforming to IS:383, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications MORTH Specification No.602. P.185-L.22.2								
	a) I Layer	Cum	3	60.00	5.00	0.15	135.00	6943.32	937348.20
	Basic Rate	6429.00							
	Area Weightage 8%	514.32							
	Total	**6943.32**							

	-watering with vaccum pump and suction mat and compaction with skin floater with floating disc including cost of generator, HOM of machinery. Screed Vibratory, Floter, blade and disc etc., with all lead and lift P No.190, I No.22.7								
		Sqm	3	60.00	5.00		900.00	97.20	87480.00
	Basic Rate	90.00							
	Area Weightage 8%	7.20							
	Total	**97.20**							
5	Providing groove cutting for width of 5mm to 10 mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. P No.191, I No.22.8								
		Rmt	13	5.00			65.00	124.20	8073.00
	Basic Rate	115.00							
	Area Weightage 8%	9.20							
	Total	**124.20**							
6	Providing TMT Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with biding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 P 19-14.46								
		Tonn					5.00	69805.80	349029.00
	Basic Rate	64635.00							
	Area Weightage 8%	5170.80							
	Total	**69805.80**							
	Providing & laying in position the final place of disposal with all lead and lift and as directed by the Engineer in charge of the work								
	Under P.24.34				Qty wide Item 1		180.00	94.82	17067.60
									1834794.00
									165131.46
									74.54
									2000000.00

ADMINISTRATIVE SANCTIONED FOR
RS 20.00 Lakhs Rupees
Twenty Lakhs Only
Under P.24.34
Registered as EE (M) vide No. 106
Subject to conditions in enclosed memo
No. EE/BE/AS-106/16-17 and
Dated 22-11-16
JE/AE
EE

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per KPWD S.R Bangalore circle rate current 2015-2016 P.24 & 34
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

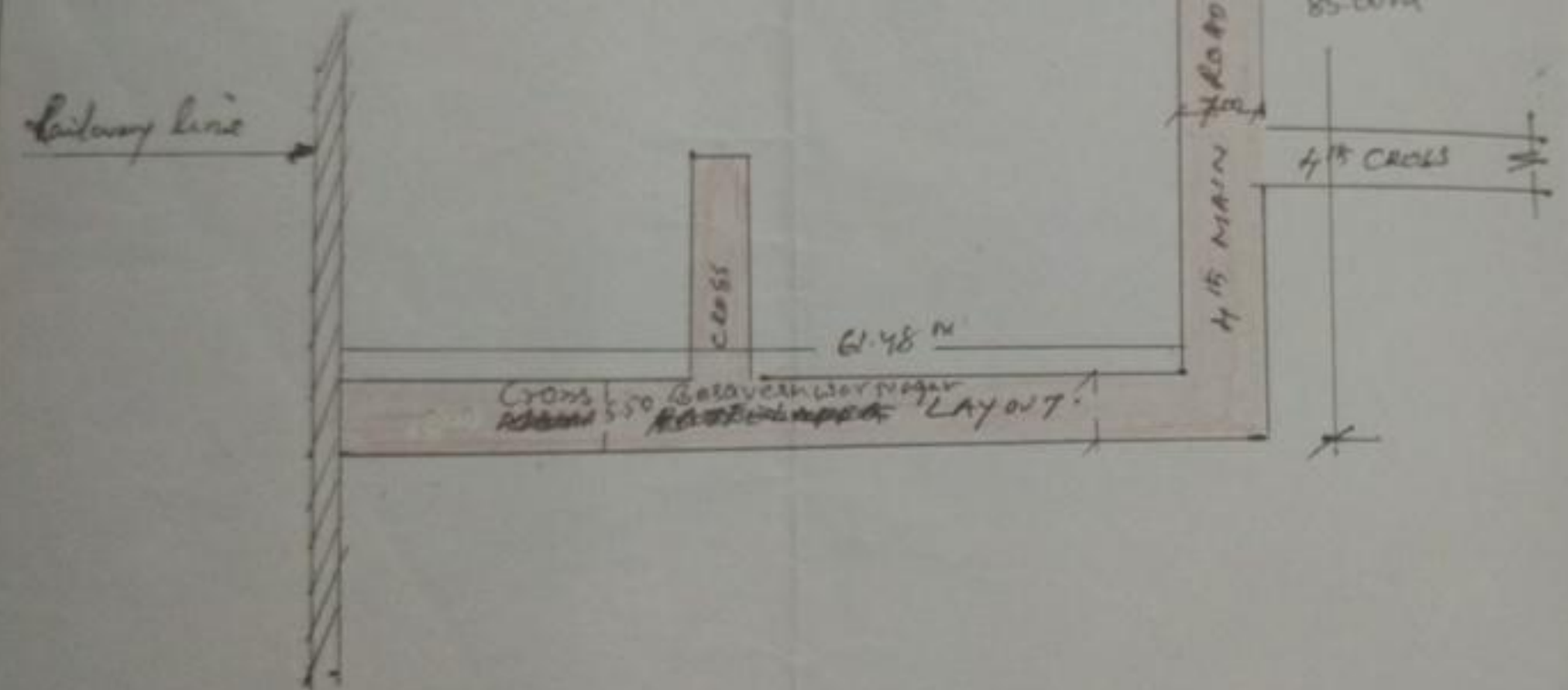
Assistant Engineer
Ward No.18

Assistant Engineer
Hebbala Sub-Dn BBMP

TECHNICALLY SANCTIONED FOR
RS 20.00 Lakh
Twenty Lakhs Only
Under cat 2015-2016 P.24 & 34
Registered as EE (M) vide No. 74
Subject to conditions in enclosed memo
No. EE/BE/AS-74/16-17 and
Date 22-11-16
Executive Engineer
Hebbala Division BBMP
JE/AE
Exe Engineer (HBL)

...y the Estimate for Construction of
...e to Road ... Lay out Cross
... Ward No: 18.

...y have Consent Controls



Asst. Engineer.
10 Ward. No 18

Asst. Exe. Engineer
Hebbala Sub-Division.

25.2.16

Executive Engineer,
Bruhat Bangalore Mahanagara Palike